

39th Argos Operations Committee Meeting

Collioure, France

June 21st to June 23rd, 2005

SYSTEM IMPROVEMENTS



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SYSTEM IMPROVEMENTS

- HARDWARE CONFIGURATION
- SOFTWARE CONFIGURATION
- GROUND SEGMENT ARCHITECTURE
- REGIONAL PROCESSING CENTERS

HARDWARE CONFIGURATION

NEW ARCHITECTURE DEDICATED FOR ARGOS 2001
APPLICATION

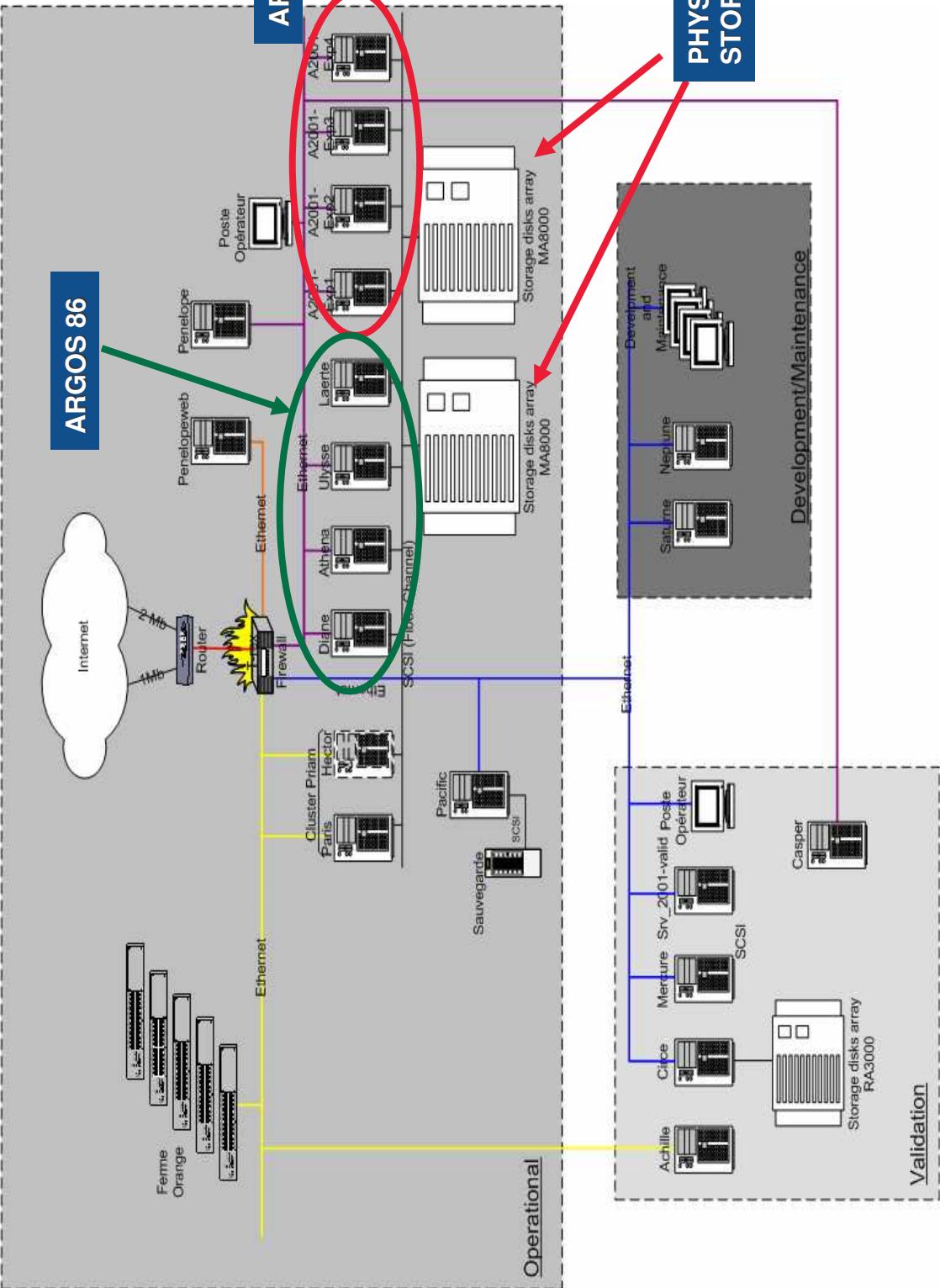
DESIGNED FOR HIGHEST LEVEL OF RELIABILITY

CURRENTLY IN ONE ROOM

NEXT STEP: MOVE SOME PIECES TO CNES
CENTER - 4 KM AWAY



COMPUTER SYSTEMS ARCHITECTURE



SOFTWARE CONFIGURATION

➤ ARGOS 2001 - Upgrade Entire Argos Processing System

- ✓ Phase I - New User Interface: Finished /Open May 2003
- ✓ Phase II - Improve Value Added Services: Finished /Operational May-July 2005
- ✓ Phase III - Redesign of Argos Processing System: Operational 1Q 2006



SOFTWARE CONFIGURATION - cont'd

➤ SSA3 Project - Address All Changes in the Current Ground Segment Needed for Argos 3; Development in Four Main Parts

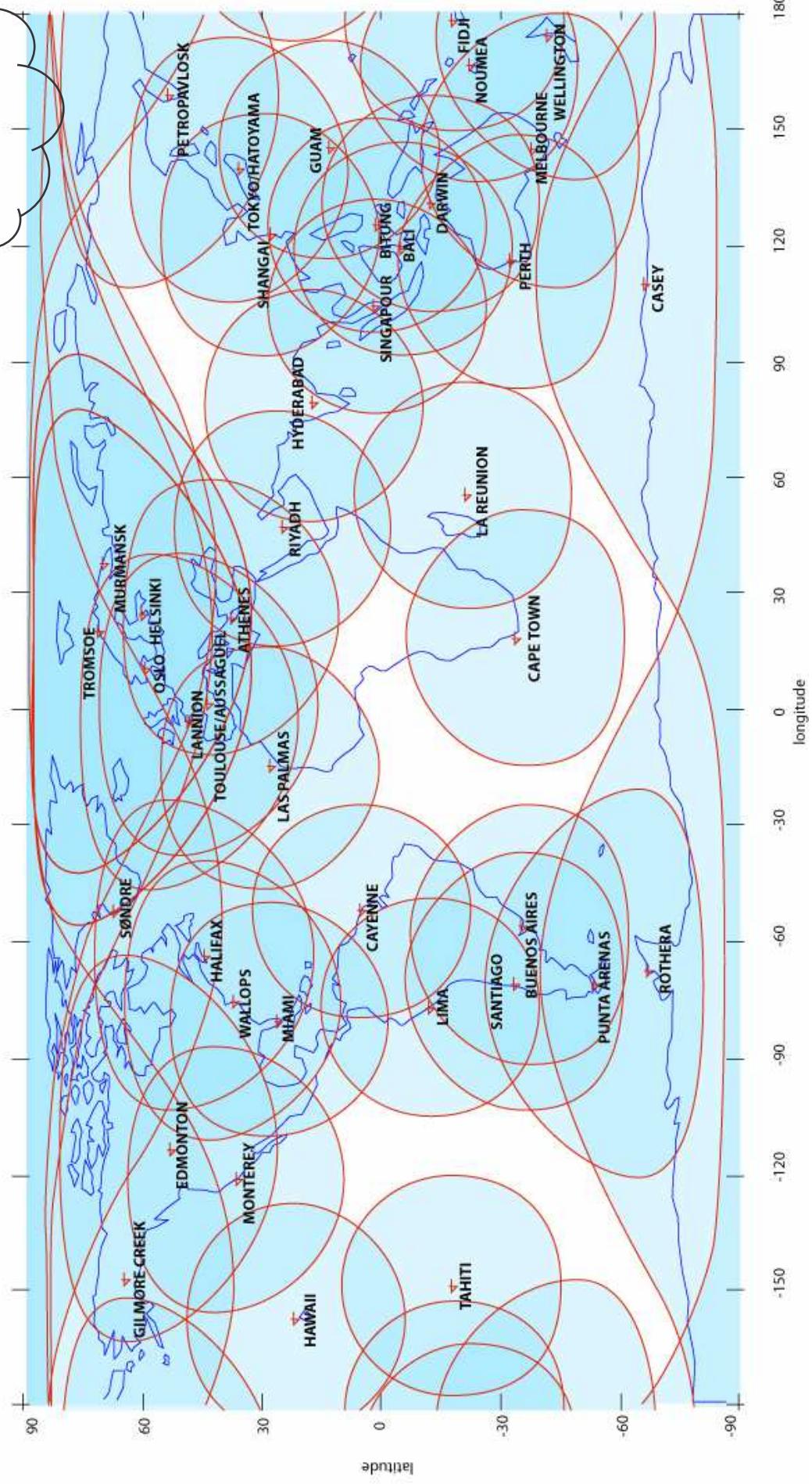
- ✓ Software Evolutions of Relevant Sub-systems in APC - Testing w/CNES: July-
Sept '05 [CQ/PTR, LOC, DAT/ORB, TRM, GTS, DMMC]
- ✓ New Generation Datation (time reference) Beacon - **Operational Sept '05**
- ✓ New Network of Master Beacons - **In Svalbard & Fairbanks 3Q '05**
- ✓ Test Equipment for PTT/PMT Type Acceptance - **Used as Nominal One: Sept '05**



GROUND SEGMENT ARCHITECTURE

42 ANTENNAS!!

4 NEW ONES



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REGIONAL PROCESSING CENTERS

**JAKARTA REGIONAL CENTER IMPLEMENTED IN
2004**

**AUSTRALIAN (MELBOURNE) REGIONAL
CENTER WAS CLOSED IN 2004 AFTER 15
YEARS OF OPERATION**

**TOKYO & LIMA OPERATED WITHOUT A MAJOR
HITCH IN 2004**

